

DISPLAY DRIVER ARCHITECTURE FOR A LIQUID CRYSTAL DISPLAY AND  
METHOD THEREFORE

ABSTRACT OF THE INVENTION

Methods and apparatus are provided for a liquid crystal microdisplay. The apparatus comprises a display driver integrated circuit, a memory, and at least one liquid crystal microdisplay. The memory is coupled to the display driver integrated circuit. The at least one liquid crystal display is also coupled to the display driver integrated circuit. A frame of video information is written to the memory in a same time period as a previously stored frame of video information is read from the memory more than one time. The previously stored frame of video information that is read from memory more than one time is provided to the at least one liquid crystal microdisplay. The method comprises identifying the start of an incoming frame of video information. The incoming frame of video information is written to a memory within a time period having a predetermined duration. A previously stored frame of video information is read from the memory more than one time and provided to the liquid crystal microdisplay.